Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/03/2018 11:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123520	-2	0.90	123590	0.89
Blue	F	SSC	125000	125974	0	1.69	126748	1.72
Blue	E	FITC	16596	16234	-3	2.79	349	21.32
Blue	D	PE	29392	28744	-3	1.84	624	16.04
Blue	B	PerCP-Cy5-5	38531	38481	-1	3.98	1176	21.59
Blue	A	PE-Cy7	26351	26497	0	7.16	651	42.02
Red	C	APC	43035	42296	-2	2.67	1594	13.26
Red	A	APC-Cy7	25611	25263	-2	2.80	871	12.95
Violet	B	V450	8803	8490	-4	4.20	467	14.45
Violet	A	V500	32560	32050	-2	3.90	748	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20400	2.56	602	5	N/A	N/A	Pass
Blue	F	SSC	57205	1.12	568	13	N/A	N/A	Pass
Blue	E	FITC	61	68.71	554	4	0.0171	139	Pass
Blue	D	PE	130	52.83	553	4	0.1284	230	Pass
Blue	B	PerCP-Cy5-5	226	51.06	655	4	0.0081	42	Pass
Blue	A	PE-Cy7	130	100.54	711	6	0.0103	20	Pass
Red	C	APC	372	28.40	603	6	0.0203	160	Pass
Red	A	APC-Cy7	212	27.80	576	5	0.0046	567	Pass
Violet	B	V450	73	63.23	478	3	0.0403	1731	Pass
Violet	A	V500	112	34.21	488	4	0.0199	613	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.27	-32.69	1.08
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	17.79	13.60 - 20.40	N/A	N/A	29.68	30.26	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 14926

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments